Item Description	Unit	QTY	Unit price EUR	Total
IP ONVIF Day / Night full HD camera, 1 / 2.9" CMOS HD 3072 x 1728 (5MP) sensor with built-in lens 3,2 to 10mm with auto focus and iris; WDR of minimum 120dB with intelligent dynamic noise suppression (iDNR), automatic electronic shutter speed control (AES), sensitivity at min. lighting conditions 0.042 lux in night mode, 0.379 lux in color mode (30 IRE), has a mechanical filter for real day / night mode; 5MPat 20fps maximum, simultaneous triple streaming (2 xH.265 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB. Advanced features include Advanced Alarm Control, Intelligent Auto Tracking Objects and Intelligent Video Analytics. IP66, IK10 impact protection (BOSCH NDE- 3503-AL Is equivalent)	pcs	24	302.49	7,259.72
IP ONVIF Day / Night full HD 1080p camera, 1/3 "CMOS HD 2048 x 1536 (3MP) sensor with built-in auto focus and iris 3-9mm lens, high dynamic range (HDR) of minimum 120dB with intelligent dynamic noise suppression (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions of 0.0011 lx in night mode, 0.0075 lx in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB; Software license for intelligent video analysis for IP cameras with the following functions: reliably detects, monitors and analyzes mobile objects while suppressing unwanted alarms; recognizes faces in the scene; retrospective forensic search; IP67, IK10 impact protection (BOSCH NIN-73023-A3A or equivalent)	pcs	16	719.60	11,513.55
Adapter for mounting a dome camera on the wall(BOSCH VDA-832FHD-WMT or equivalent)	pcs	16	57.65	922.39
Box for the accommodation of controller with two DIN rails(BOSCH AEC-AMC2-UL2 or equivalent)	pcs	8	101.06	808.44
Controller 4 Wiegand with CF card. Intelligent access control for 1 to 4 entrances; 4 interfaces including reader power supply; LCD display for displaying information; Self-controlling send and receive switching; Individual electronic verification of plugs and outputs; Input for an externally connected tamper contact has four connectors for connecting up to four ID card readers; Wiegand interface or equivalent; 512 kB EPROM/FLASH, 256 kB-SRAM, Serial EEPROM,RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; Address can be set via DIP switches; 8 relay outputs, 8 controlled analog inputs; IP 30 protection level;BOSCH APC-AMC2-4WCF or equivalent	pcs	8	579.88	4,639.06
External power supply with incorporated UPS. BOSCH APS-PBC-60 or equivalent	pcs	8	137.00	1,096.01
Battery for additional power supply 12V/7.2 Ah	pcs	16	27.81	444.92
Compact Wiegand Mifare/iClass reader with beeper and multicolored LED display Plastic-coated, for indoor and outdoor mounting. Current consumption 65 mA/average, 225 mA maximum; IP55 protection level (BOSCH ARD-AYBS6260 or equivalent)	pcs	24	74.60	1,790.51
"Request-to-exit" button with key icon (surface wall mounted)BOSCH 4710760047 or equivalent	pcs	24	40.02	960.37
"EMERGENCY EXIT" button to release all the doors in case of emergency, complete with junction box equipped with a series terminal for parallel separation of the system cables, halogen-free.CQR FP2/GR/EDR or equivalent	pcs	24	31.20	748.76

Electromagnetic door holder, 12/24Vdc, maximum load of 300kg. With a door status indicator	pcs	24	73.93	1,774.24
JH(St)H 2x2x0.8	m	960	0.23	216.30
JH(St)H 5x2x0.8	m	960	0.58	560.83
Enclosure kit. Suitable for the main panel (control panel board) DE module, power supply, 2x40 Ah battery and 4xLSN gateway. Includes plates for mounting. BOSCH ICP-MAP0111 or equivalent	pcs	8	238.06	1,904.46
The main panel supports up to 1,500 addresses, 500 areas and 1,000 users. As part of a Modular Alarm Platform, the main panel with possibility of connection to system for integration of security systems using internet protocol (IP). External CAN bus - total length up to 1000m; the external bus allows command centers, gateways for connections and power supplies which are placed as individual elements, providing greater efficiency. Software version of all devices in the modular platform system can be upgraded or updated using remote control of software. This allows for on-site or remote upgrades or updates (IP through Ethernet). It has VdS certificate.BOSCH ICP-MAP5000-2 or equivalent	pcs	8	423.21	3,385.70
Gateway module supports up to 127 devices with maximum loop current up to 300 mA. Provides flexible network structures (one loop or two stubs) Provides single fault redundancy on loopconfigurations (not on stub configurations). Provides two auxiliary power outputs (500 mA each)BOSCH ICP-MAP0010 or equivalent.	pcs	8	155.31	1,242.51
Module for connection of communicators. Supports printer connectivity.Provides two RS-232 COM ports. Provides three supervised and programmable outputs for sirens, signal lamps (strobes), and other audio- visual devices. Provides two programmable open- collector outputs.BOSCH ICP-MAP0007-2 or equivalent	pcs	8	134.29	1,074.31
Power supply 150W. Provides two independent power ports with fixed 28 VDC. Provides 150 W for battery charging and system power. Provides controlled 500 mA, 24 VDC nominal output. Provides two dry relay contacts for AC and DC fault signaling. Supports independent dual battery control. Provides protection of the battery load.BOSCH IPP-MAP0005-2 or equivalent.	pcs	8	254.33	2,034.67
Battery 12V 42AhBOSCH IPS-BAT12V-45AH or equivalent	pcs	16	115.30	1,844.77
Detector with PIR and microwave detection. Alarm is detected by processing both signals, anti-mask protection function. Flexible mounting height and coverage areaBOSCH ISP-PDL1-WA18G or equivalent	pcs	24	83.42	2,002.12
Conventional glass break detector, complete with addressable element for connection in a loop. Microprocessor-based sound analysis technology Automatic environmental noise test, sound check.BOSCH DS1108I and ISP-EM55SM-120 or equivalent	pcs	8	68.50	548.01
Siren, outdoor mounting. Steel enclosure of thickness 1,5 mm tamper proof againt opening cover; charging regulation voltage 13,8VDC; noise level 117dBA BOSCH IUI-SIR-OD or equivalent	pcs	2	118.01	236.02
Battery 12V 2.2Ah for additional power supply of outdoor siren.BOSCH D1222 or equivalent	pcs	8	21.02	168.20
Keypad, LCD touch screen 14cm in diagonal. The touch screen provides a durable graphic interface (16B vivid colors with 320 x 240 pixels) consisting of intuitive icons and menus that allow users to access system functions. Users can arm the system or part of the system directly by touching the screen image, disarm, or select other menu options. Built-in speaker with adjustable volume. It has a VdS certificate.BOSCH IUI-MAP0001-2 or equivalent	pcs	6	290.28	1,741.68

Installation cable, type:JH(St)H 3x2x0.8	m	2000	0.36	722.06
Addressable Fire Control Panel (Avenar 2000 Premium Bosch or equivalent) that supports EN54 and VdS standard, equipped with the following elements:steel housing (mounting on the wall) with coverpanel rails for the installation of functional modulesbracket for two batteries and power supply unitpanel controller with operating screen in Serbian language (ability to connect printers)power supply unit, 24 V/5AUSB, CAN, Ethernet interfaces2 x media convertor with 2 10/100BASE-TX ports and all neccesssary equipment for conection of central unit to 4 SM FOSoftware key to allow integration and connection of the control panel under monitoring software by connecting to OPCinterface module for connecting to the workstation- two addressable loop, with the possibility of connection up to 254 LSN elements per loop, maximum loop length 1600 m and maximum consumption per loop 300 mAcontrol module for batteriesmodul for connectig 2 lines of alarm sirensenables allocation of 128 points within the system	pcs	8	3,384.34	27,074.74
Relay module with 8 low voltage relay outputs (RML0008 A or equivalent)	pcs	8	74.60	596.84
Battery, 12 VDC, 40Ah.	pcs	30	115.30	3,458.95
Addressable optical smoke detector that supports EN54 and VdS standard. Complete with detector mounting base, short-circuit isolator and label. (FAP- 425-O-R, MS 400, TP4 400 or equivalent)	pcs	8	42.05	336.40
Addressable indoor detector - manual call point thatsupports EN54 and VdS standard (FMC-210-DM-G-R or equivalent)	pcs	8	27.81	222.46
Addressable outdoor detector - manual call point that supports EN54 and VdS standard(FMC-210-DM-H-R or equivalent)	pcs	16	62.40	998.35
Outdoor alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-SRD or equivalent)	pcs	8	29.84	238.74
Input module with two inputs for monitoring the door status, i.e. whether the door is open or closed, within the loop that supports EN54 and VdS standard (FLM-420-I2-W or equivalent)	pcs	8	75.96	607.69
Input module with eight inputs for connecting with subsystem central unit within the fire loop that supports EN54 and VdS standard (FLM-420-I8R1-S orequivalent)	pcs	16	109.87	1,757.96
Additional base for fixing the fire detector on non- standard surfaces (concrete beams, roof structure, uneven walls,...), with all the necessary material	pcs	32	12.89	412.36
- J-H(St)H 2x2x0,8	m	400	0.23	90.12
- NHXHX 3x1,5 FE180/E30	m	640	0.70	448.04
- NHXHX 3x1,5 FE180/E90	m	2000	0.70	1,400.14
- JE-H(St)H /FE180/E90 5x2x0,8	m	400	0.58	233.68
A fire stop compound that makes a compact unit with fire bar from the aspect of the required fire resistance, with the appropriate attestation, in accordance with the applicable legislation.	m²	16	173.23	2,771.61
Conventional optical smoke detector. Includes mounting base, short-circuit isolator and label.	pcs	96	26.45	2,539.27
Manual call point for stopping of the exstinguishing CCP-B	pcs	12	34.59	415.07
Manual call point for activation of the exstinguishing CCP-Y	pcs	16	34.59	553.43
Alarm siren with orange flashlight	pcs	16	85.46	1,367.30
Warning iluminated panel with inscription “GAS -LEAVE THE ROOM!“ or equivalent	pcs	16	92.92	1,486.67
Parallel light indicator	pcs	48	9.50	455.77

Magnetic contact for monitoring the fire door status,i.e. whether the fire door is open or closed, complete with a permanent magnet. Method of fixing must guarantee the stability of magnetic contact in aggressive environments and under extreme changes in temperature	pcs	16	33.91	542.58
Aspirational smoke detector for computer racks in room with space for two detection modules. It must enable connection of sufficient number of pipes for sampling and conveying air to highly sensitive smoke detectors. Detector module class A. With tree alarm levels (info, pre-alarm, alarm) for each detector, LED detector status indicator, fault state indicator and power state indicator, max sensitivity 0.005% (light obscuration/m). It must perform constant monitoring of flow trough pipes thus controlling the state of sampling pipes and cleanness of the sampling holes. The fan should have a min. 2 speeds. With LAN network card, integrated memory for incident storage. Comes with smoke detectors, filter modules, suction tubes, knees, suction set and other necessary equipment. The detector should meet EN54-20 class A, B C and have VdS attestation.	pcs	2	4,771.99	9,543.98
Cabinet for powering the aspiration detector, in accordance with EN54. Temperature and time controlled battery charging process. Outputs with fuses. The cabinet contains all necessary travois, power units, automatic fuses, relay cards, input-output modules, bateries ... Kit with accessories for connecting equipment and wall mounting. Powering process overseen by system's central unit via dedicated addressable modules in the loop. (BOSCH FPP-5000 or equivalent)	pcs	8	1,173.33	9,386.63
- J-H(St)H 2x2x0,8	m	800	0.23	180.25
- JH(St)H 5x2x0.8	m	160	0.58	93.47
- NHXHX 3x1,5 FE180/E30	m	400	0.70	280.03
- NHXHX 3x1,5 FE180/E90	m	640	0.70	448.04
- JE-H(St)H /FE180/E90 2x2x0,8	m	1200	0.35	423.93
A fire stop compound that makes a compact unit with fire bar from the aspect of the required fire resistance, with the appropriate attestation, in accordance with the applicable legislation.	m²	16	173.23	2,771.61
IP ONVIF Day / Night full HD camera, 1 / 2.9" CMOS HD 3072 x 1728 (5MP) sensor with built-in lens 3,2 to 10mm with auto focus and iris; WDR of minimum 120dB with intelligent dynamic noise suppression (iDNR), automatic electronic shutter speed control (AES), sensitivity at min. lighting conditions 0.042 lux in night mode, 0.379 lux in color mode (30 IRE), has a mechanical filter for real day / night mode; 5MPat 20fps maximum, simultaneous triple streaming (2 x H.265 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB. Advanced features include Advanced Alarm Control, Intelligent Auto Tracking Objects and Intelligent Video Analytics. IP66, IK10 impact protection (BOSCH NDE-3503-AL Is equivalent)	pcs	6	302.49	1,814.93

IP ONVIF Day / Night full HD 1080p camera, 1/3 "CMOS HD 2048 x 1536 (3MP) sensor with built-in auto focus and iris 3-9mm lens, high dynamic range (HDR) of minimum 120dB with intelligent dynamic noise suppression (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions of 0.0011 lx in night mode, 0.0075 lx in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB; Software license for intelligent video analysis for IP cameras with the following functions: reliably detects, monitors and analyzes mobile objects while suppressing unwanted alarms; recognizes faces in the scene; retrospective forensic search; IP67, IK10 impact protection (BOSCH NIN-73023-A3A or equivalent)	pcs	16	719.60	11,513.55
Adapter for mounting a dome camera on the wall (BOSCH VDA-832FHD-WMT or equivalent)	pcs	16	57.65	922.39
Box for the accommodation of controller with two DIN rails(BOSCH AEC-AMC2-UL2 or equivalent)	pcs	2	101.06	202.11
Controller 4 Wiegand with CF card. Intelligent access control for 1 to 4 entrances; 4 interfaces including reader power supply; LCD display for displaying information; Self-controlling send and receive switching; Individual electronic verification of plugs and outputs; Input for an externally connected tamper contact has four connectors for connecting up to four ID card readers; Wiegand interface or equivalent; 512 kB EPROM/FLASH, 256 kB-SRAM, Serial EEPROM, RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; Address can be set via DIP switches; 8 relay outputs, 8 controlled analog inputs; IP 30 protection level;BOSCH APC-AMC2-4WCF or equivalent	pcs	2	579.88	1,159.76
Extension unit with 8 additional inputs and 8 outputs. Intelligent access control for one to eight inputs. Four interfaces including readers power supply. LCD display for displaying information.BOSCH API-AMC2-16ION or equivalent	pcs	2	450.34	900.68
External power supply with incorporated UPS.BOSCH APS-PBC-60 or equivalent	pcs	2	137.00	274.00
Battery for additional power supply 12V/7.2 Ah	pcs	4	27.81	111.23
Compact Wiegand Mifare/iClass reader with beeper and multicolored LED display Plastic-coated, for indoor and outdoor mounting. Current consumption 65 mA/average, 225 mA maximum; IP55 protection level(BOSCH ARD-AYBS6260 or equivalent)	pcs	8	74.60	596.84
"Request-to-exit" button with key icon (surface wall mounted)BOSCH 4710760047 or equivalent	pcs	8	40.02	320.12
"EMERGENCY EXIT" button to release all the doors in case of emergency, complete with junction box equipped with a series terminal for parallel separation of the system cables, halogen-free.CQR FP2/GR/EDR or equivalent	pcs	8	31.20	249.59
Electromagnetic door holder, 12/24Vdc, maximum load of 300kg. With a door status indicator	pcs	4	73.93	295.71
JH(St)H 2x2x0.8	m	600	0.23	135.19
JH(St)H 5x2x0.8	m	1000	0.58	584.20
Enclosure kit. Suitable for the main panel (control panel board) DE module, power supply, 2x40 Ah battery and 4xLSN gateway. Includes plates for mounting. BOSCH ICP-MAP0111 or equivalent	pcs	2	238.06	476.11

The main panel supports up to 1,500 addresses, 500 areas and 1,000 users. As part of a Modular Alarm Platform, the main panel with possibility of connection to system for integration of security systems using internet protocol (IP). External CAN bus - total length up to 1000m; the external bus allows command centers, gateways for connections and power supplies which are placed as individual elements, providing greater efficiency. Software version of all devices in the modular platform system can be upgraded or updated using remote control of software. This allows for on-site or remote upgrades or updates (IP through Ethernet). It has VdS certificate.BOSCH ICP-MAP5000-2 or equivalent	pcs	2	423.21	846.42
Gateway module supports up to 127 devices with maximum loop current up to 300 mA. Provides flexible network structures (one loop or two stubs) Provides single fault redundancy on loop configurations (not on stub configurations). Provides two auxiliary power outputs (500 mA each)BOSCH ICP-MAP0010 or equivalent.	pcs	2	155.31	310.63
Module for connection of communicators. Supports printer connectivity.Provides two RS-232 COM ports. Provides three supervised and programmable outputs for sirens, signal lamps (strobes), and other audio-visual devices. Provides two programmable open-collector outputs.BOSCH ICP-MAP0007-2 or equivalent	pcs	2	134.29	268.58
Power supply 150W. Provides two independentpower ports with fixed 28 VDC. Provides 150 W for battery charging and system power. Provides controlled 500 mA, 24 VDC nominal output. Provides two dry relay contacts for AC and DC fault signaling. Supports independent dual battery control. Provides protection of the battery load.BOSCH IPP-MAP0005-2 or equivalent.	pcs	2	254.33	508.67
Battery 12V 42AhBOSCH IPS-BAT12V-45AH or equivalent	pcs	4	115.30	461.19
Detector with PIR and microwave detection. Alarm is detected by processing both signals, anti-mask protection function. Flexible mounting height and coverage areaBOSCH ISP-PDL1-WA18G or equivalent	pcs	8	83.42	667.37
Conventional glass break detector, complete with addressable element for connection in a loop. Microprocessor-based sound analysis technology Automatic environmental noise test, sound check.BOSCH DS1108I and ISP-EM55SM-120 or equivalent	pcs	2	68.50	137.00
Siren, indoor mounting. Nominal power 117 dBA. This siren is tamper proof against opening the cover and removing the base from wall. The siren has the possibility of a built-in back-up power supply, BOSCH IUI-SIR-ID or equivalent.	pcs	4	65.79	263.15
Siren, outdoor mounting. Steel enclosure of thickness 1,5 mm tamper proof againt opening cover; charging regulation voltage 13,8VDC; noise level 117dBABOSCH IUI-SIR-OD or equivalent	pcs	2	118.01	236.02
Battery 12V 2.2Ah for additional power supply of outdoor siren.BOSCH D1222 or equivalent	pcs	2	21.02	42.05
Keypad, LCD touch screen 14cm in diagonal. The touch screen provides a durable graphic interface (16B vivid colors with 320 x 240 pixels) consisting of intuitive icons and menus that allow users to access system functions. Users can arm the system or part of the system directly by touching the screen image, disarm, or select other menu options. Built-in speaker with adjustable volume. It has a VdS certificate.BOSCH IUI-MAP0001-2 or equivalent	pcs	4	290.28	1,161.12
Installation cable, type:JH(St)H 3x2x0.8	m	800	0.36	288.82

- Addressable Fire Control Panel (Avenar 2000 Premium Bosch or equivalent) that supports EN54 and VdS standard, equipped with the following elements:steel housing (mounting on the wall) with cover-panel rails for the installation of functional modulesbracket for two batteries and power supply unitpanel controller with operating screen in Serbian language (ability to connect printers)power supply unit, 24 V/5AUSB, CAN, Ethernet interfaces2 x media convertor with 2 10/100BASE-TX ports and all neccesssary equipment for conection of central unit to 4 SM FOSoftware key to allow integration and connection of the control panel under monitoring software by connecting to OPCinterface module for connecting to the workstationtwo addressable loop, with the possibility of connection up to 254 LSN elements per loop, maximum loop length 1600 m and maximum consumption per loop 300 mAcontrol module for batteriesmodul for connectig 2 lines of alarm sirensenables allocation of 128 points within the system	pcs	2	3,384.34	6,768.68
Relay module with 8 low voltage relay outputs (RML0008 A or equivalent)	pcs	2	74.60	149.21
Battery, 12 VDC, 40Ah.	pcs	8	115.30	922.39
Addressable optical smoke detector that supports EN54 and VdS standard. Complete with detector mounting base, short-circuit isolator and label. (FAP 425-O-R, MS 400, TP4 400 or equivalent)	pcs	28	42.05	1,177.40
Addressable indoor detector - manual call point that supports EN54 and VdS standard (FMC-210-DM-G-R or equivalent)	pcs	8	27.81	222.46
Addressable outdoor detector - manual call point that supports EN54 and VdS standard(FMC-210-DM-H-R or equivalent)	pcs	4	62.40	249.59
Indoor alarm siren that supports EN54 and VdS standard. (FNM-320-SRD or equivalent)	pcs	6	29.84	179.05
Outdoor alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-SRD or equivalent)	pcs	4	29.84	119.37
Addressable module with 2 independently programmable high-voltage relay outputs and 2 independently programmable voltage relay inputs. It contains an isolation switch that in the event of a short circuit or an open connection ensures smooth operation of the system. Possibility of hanging directly into the din rail. Comes with box for wall mounting.(FLM-420-RHV-D and FLM-IFB126-S Surface,Bosch or equivalent)	pcs	2	126.15	252.30
Input module with two inputs for monitoring the door status, i.e. whether the door is open or closed, within the loop that supports EN54 and VdSstandard (FLM-420-I2-W or equivalent)	pcs	6	75.96	455.77
Input module with eight inputs for connecting with subsystem central unit within the fire loop that supports EN54 and VdS standard (FLM-420-I8R1-Sor equivalent)	pcs	2	109.87	219.74
Additional base for fixing the fire detector on non- standard surfaces (concrete beams, roof structure, uneven walls,...), with all the necessary material	pcs	30	12.89	386.59
- J-H(St)H 2x2x0,8	m	440	0.23	99.14
- NHXHX 3x1,5 FE180/E30	m	200	0.70	140.01
- NHXHX 3x1,5 FE180/E90	m	140	0.70	98.01
- JE-H(St)H /FE180/E90 5x2x0,8	m	60	0.58	35.05
A fire stop compound that makes a compact unit with fire bar from the aspect of the required fire resistance, with the appropriate attestation, in accordance with the applicable legislation.	m²	4	173.23	692.90
Conventional optical smoke detector. Includes mounting base, short-circuit isolator and label.	pcs	16	26.45	423.21
Manual call point for activation of the exstinguishing CCP-Y	pcs	2	34.59	69.18
Alarm siren with orange flashlight	pcs	2	85.46	170.91

Warning iluminated panel with inscription “GAS -LEAVE THE ROOM!“ or equivalent	pcs	2	92.92	185.83
Parallel light indicator	pcs	8	9.50	75.96
Magnetic contact for monitoring the fire door status,i.e. whether the fire door is open or closed, complete with a permanent magnet. Method of fixing must guarantee the stability of magnetic contact in aggressive environments and under extreme changes in temperature	pcs	2	33.91	67.82
- J-H(St)H 2x2x0,8	m	200	0.23	45.06
- NHXHX 3x1,5 FE180/E30	m	60	0.70	42.00
- NHXHX 3x1,5 FE180/E90	m	80	0.70	56.01
- JE-H(St)H /FE180/E90 2x2x0,8	m	160	0.35	56.52
A fire stop compound that makes a compact unit with fire bar from the aspect of the required fire resistance, with the appropriate attestation, in accordance with the applicable legislation.	m²	4	173.23	692.90
IP ONVIF Day / Night full HD 1080p camera, 1/3 "CMOS HD 2048 x 1536 (3MP) sensor with built-in auto focus and iris 3-9mm lens, high dynamic range (HDR) of minimum 120dB with intelligent dynamic noise suppression (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions of 0.0011 lx in night mode, 0.0075 lx in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB; Software license for intelligent video analysis for IP cameras with the following functions: reliably detects, monitors and analyzes mobile objects while suppressing unwanted alarms; recognizes faces in the scene; retrospective forensic search; IP67, IK10 impact protection (BOSCH NIN-73023-A3A or equivalent)	pcs	24	719.60	17,270.32
Adapter for mounting a dome camera on the wall(BOSCH VDA-832FHD-WMT or equivalent)	pcs	24	57.65	1,383.58
Box for the accommodation of controller with two DIN rails(BOSCH AEC-AMC2-UL2 or equivalent)	pcs	3	101.06	303.17
Controller 4 Wiegand with CF card. Intelligent access control for 1 to 4 entrances; 4 interfaces including reader power supply; LCD display for displaying information; Self-controlling send and receive switching; Individual electronic verification of plugs and outputs; Input for an externally connected tamper contact has four connectors for connecting up to four ID card readers; Wiegand interface or equivalent; 512 kB EPROM/FLASH, 256 kB-SRAM, Serial EEPROM, RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; Address can be set via DIP switches; 8 relay outputs, 8 controlled analog inputs; IP 30 protection level;BOSCH APC-AMC2-4WCF or equivalent	pcs	3	579.88	1,739.65
External power supply with incorporated UPS.BOSCH APS-PBC-60 or equivalent	pcs	3	137.00	411.00
Battery for additional power supply 12V/7.2 Ah	pcs	6	27.81	166.84
Compact Wiegand Mifare/iClass reader with beeper and multicolored LED display Plastic-coated, for indoor and outdoor mounting. Current consumption 65 mA/average, 225 mA maximum; IP55 protection level(BOSCH ARD-AYBS6260 or equivalent)	pcs	12	74.60	895.26
"Request-to-exit" button with key icon (surface wall mounted)BOSCH 4710760047 or equivalent	pcs	12	40.02	480.18

"EMERGENCY EXIT" button to release all the doors in case of emergency, complete with junction box equipped with a series terminal for parallel separation of the system cables, halogen-free.CQR FP2/GR/EDR or equivalent	pcs	12	31.20	374.38
Electromagnetic door holder, 12/24Vdc, maximum load of 300kg. With a door status indicator	pcs	12	73.93	887.12
JH(St)H 2x2x0.8	m	100	0.23	22.53
JH(St)H 5x2x0.8	m	1200	0.58	701.04
Enclosure kit. Suitable for the main panel (control panel board) DE module, power supply, 2x40 Ah battery and 4xLSN gateway. Includes plates for mounting. BOSCH ICP-MAP0111 or equivalent	pcs	3	238.06	714.17
The main panel supports up to 1,500 addresses, 500 areas and 1,000 users. As part of a Modular Alarm Platform, the main panel with possibility of connection to system for integration of security systems using internet protocol (IP). External CAN bus - total length up to 1000m; the external bus allows command centers, gateways for connections and power supplies which are placed as individual elements, providing greater efficiency. Software version of all devices in the modular platform system can be upgraded or updated using remote control of software. This allows for on-site or remote upgrades or updates (IP through Ethernet). It has VdS certificate.BOSCH ICP-MAP5000-2 or equivalent	pcs	3	423.21	1,269.64
Gateway module supports up to 127 devices with maximum loop current up to 300 mA. Provides flexible network structures (one loop or two stubs) Provides single fault redundancy on loop configurations (not on stub configurations). Provides two auxiliary power outputs (500 mA each)BOSCH ICP-MAP0010 or equivalent.	pcs	3	155.31	465.94
Module for connection of communicators. Supports printer connectivity.Provides two RS-232 COM ports. Provides three supervised and programmable outputs for sirens, signal lamps (strobes), and other audio-visual devices. Provides two programmable open-collector outputs.BOSCH ICP-MAP0007-2 or equivalent	pcs	3	134.29	402.87
Battery 12V 42AhBOSCH IPS-BAT12V-45AH or equivalent	pcs	6	115.30	691.79
Detector with PIR and microwave detection. Alarm is detected by processing both signals, anti-mask protection function. Flexible mounting height and coverage areaBOSCH ISP-PDL1-WA18G or equivalent	pcs	9	83.42	750.79
Conventional glass break detector, complete with addressable element for connection in a loop. Microprocessor-based sound analysis technology Automatic environmental noise test, sound check.BOSCH DS1108I and ISP-EM55SM-120 orequivalent	pcs	12	68.50	822.01
Siren, indoor mounting. Nominal power 117 dBA. This siren is tamper proof against opening the cover and removing the base from wall. The siren has the possibility of a built-in back-up power supply, BOSCH IUI-SIR-ID or equivalent.	pcs	3	65.79	197.36
Siren, outdoor mounting. Steel enclosure of thickness 1,5 mm tamper proof againt opening cover; charging regulation voltage 13,8VDC; noise level 117dBABOSCH IUI-SIR-OD or equivalent	pcs	2	118.01	236.02
Battery 12V 2.2Ah for additional power supply of outdoor siren.BOSCH D1222 or equivalent	pcs	3	21.02	63.07

Keypad, LCD touch screen 14cm in diagonal. The touch screen provides a durable graphic interface (16B vivid colors with 320 x 240 pixels) consisting of intuitive icons and menus that allow users to access system functions. Users can arm the system or part of the system directly by touching the screen image, disarm, or select other menu options. Built-in speaker with adjustable volume. It has a VdS certificate.BOSCH IUI-MAP0001-2 or equivalent	pcs	9	290.28	2,612.52
Installation cable, type:JH(St)H 3x2x0.8	m	900	0.36	324.93
- Addressable Fire Control Panel (Avenar 2000 Premium Bosch or equivalent) that supports EN54 and VdS standard, equipped with the following elements:steel housing (mounting on the wall) with coverpanel rails for the installation of functional modulesbracket for two batteries and power supply unitpanel controller with operating screen in Serbian language (ability to connect printers)power supply unit, 24 V/5AUSB, CAN, Ethernet interfaces2 x media convertor with 2 10/100BASE-TX ports and all neccesssary equipment for conection of central unit to 4 SM FOSoftware key to allow integration and connection of the control panel under monitoring software by connecting to OPCinterface module for connecting to the workstation- two addressable loop, with the possibility of connection up to 254 LSN elements per loop, maximum loop length 1600 m and maximum consumption per loop 300 mAcontrol module for batteriesmodul for connectig 2 lines of alarm sirensenables allocation of 128 points within the system	pcs	3	3,384.34	10,153.03
Relay module with 8 low voltage relay outputs (RML0008 A or equivalent)	pcs	3	74.60	223.81
Battery, 12 VDC, 40Ah.	pcs	12	115.30	1,383.58
Addressable optical smoke detector that supports EN54 and VdS standard. Complete with detector mounting base, short-circuit isolator and label. (FAP- 425-O-R, MS 400, TP4 400 or equivalent)	pcs	18	42.05	756.90
Addressable indoor detector - manual call point thatsupports EN54 and VdS standard (FMC-210-DM-G- R or equivalent)	pcs	6	27.81	166.84
Addressable outdoor detector - manual call point that supports EN54 and VdS standard(FMC-210-DM-H-R or equivalent)	pcs	6	62.40	374.38
Indoor alarm siren that supports EN54 and VdS standard. (FNM-320-SRD or equivalent)	pcs	3	29.84	89.53
Outdoor alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-SRD or equivalent)	pcs	6	29.84	179.05
Parallel light indicator that supports EN54 and VdS standard (FAA-420-RI-ROW or equivalent)	pcs	12	10.17	122.08
Addressable module with 2 independently programmable high-voltage relay outputs and 2 independently programmable voltage relay inputs. It contains an isolation switch that in the event of a short circuit or an open connection ensures smooth operation of the system. Possibility of hanging directly into the din rail. Comes with box for wall mounting.(FLM-420-RHV-D and FLM-IFB126-S Surface,Bosch or equivalent)	pcs	3	126.15	378.45
Input module with two inputs for monitoring the door status, i.e. whether the door is open or closed, within the loop that supports EN54 and VdS standard (FLM420-I2-W or equivalent)	pcs	3	75.28	225.85
Additional base for fixing the fire detector on non- standard surfaces (concrete beams, roof structure, uneven walls,...), with all the necessary material	pcs	39	12.89	502.56
- NHXHX 3x1,5 FE180/E30	m	180	0.70	126.01
- NHXHX 3x1,5 FE180/E90	m	60	0.70	42.00

A fire stop compound that makes a compact unit with fire bar from the aspect of the required fire resistance, with the appropriate attestation, in accordance with the applicable legislation.	m²	6	173.23	1,039.35
IP ONVIF Day / Night full HD camera, 1 / 2.9" CMOS HD 3072 x 1728 (5MP) sensor with built-in lens 3,2 to 10mm with auto focus and iris; WDR of minimum 120dB with intelligent dynamic noise suppression (iDNR), automatic electronic shutter speed control (AES), sensitivity at min. lighting conditions 0.042 lux in night mode, 0.379 lux in color mode (30 IRE), has a mechanical filter for real day / night mode; 5MPat 20fps maximum, simultaneous triple streaming (2 x H.265 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB. Advanced features include Advanced Alarm Control, Intelligent Auto Tracking Objects and Intelligent Video Analytics. IP66, IK10 impact protection (BOSCH NDE-3503-AL Is equivalent)	pcs	2	302.49	604.98
IP ONVIF Day / Night full HD 1080p camera, 1/3 "CMOS HD 2048 x 1536 (3MP) sensor with built-in auto focus and iris 3-9mm lens, high dynamic range (HDR) of minimum 120dB with intelligent dynamic noise suppression (iDNR), automatic electronic shutter speed control (AES), sensitivity at minimum lighting conditions of 0.0011 lx in night mode, 0.0075 lx in color mode (30 IRE), has a mechanical filter for real day / night mode, 1080p HD at 30fps maximum, simultaneous triple streaming (2 x H.264 Main Profile and 1 x M-JPEG), support for local recording on a microSD memory card up to 2TB; Software license for intelligent video analysis for IP cameras with the following functions: reliably detects, monitors and analyzes mobile objects while suppressing unwanted alarms; recognizes faces in the scene; retrospective forensic search; IP67, IK10 impact protection (BOSCH NIN-73023-A3A or equivalent)	pcs	8	719.60	5,756.77
Adapter for mounting a dome camera on the wall (BOSCH VDA-832FHD-WMT or equivalent)	pcs	8	57.65	461.19
Box for the accommodation of controller with two DIN rails(BOSCH AEC-AMC2-UL2 or equivalent)	pcs	2	101.06	202.11
Controller 4 Wiegand with CF card. Intelligent access control for 1 to 4 entrances; 4 interfaces including reader power supply; LCD display for displaying information; Self-controlling send and receive switching; Individual electronic verification of plugs and outputs; Input for an externally connected tamper contact has four connectors for connecting up to four ID card readers; Wiegand interface or equivalent; 512 kB EPROM/FLASH, 256 kB-SRAM, Serial EEPROM, RTC; Pluggable 2 GB compact flash; Battery for SRAM and RTC; Address can be set via DIP switches; 8 relay outputs, 8 controlled analog inputs; IP 30 protection level;BOSCH APC-AMC2-4WCF or equivalent	pcs	2	579.88	1,159.76
External power supply with incorporated UPS. BOSCH APS-PBC-60 or equivalent	pcs	2	137.00	274.00
Battery for additional power supply 12V/7.2 Ah	pcs	4	27.81	111.23
Compact Wiegand Mifare/iClass reader with beeper and multicolored LED display Plastic-coated, for indoor and outdoor mounting. Current consumption 65 mA/average, 225 mA maximum; IP55 protection level(BOSCH ARD-AYBS6260 or equivalent)	pcs	8	74.60	596.84
"Request-to-exit" button with key icon (surface wall mounted)BOSCH 4710760047 or equivalent	pcs	8	40.02	320.12

"EMERGENCY EXIT" button to release all the doors in case of emergency, complete with junction box equipped with a series terminal for parallel separation of the system cables, halogen-free.CQR FP2/GR/EDR or equivalent	pcs	8	31.20	249.59
Electromagnetic door holder, 12/24Vdc, maximum load of 300kg. With a door status indicator	pcs	8	73.93	591.41
JH(St)H 5x2x0.8	m	320	0.58	186.94
Enclosure kit. Suitable for the main panel (control panel board) DE module, power supply, 2x40 Ah battery and 4xLSN gateway. Includes plates for mounting. BOSCH ICP-MAP0111 or equivalent	pcs	2	238.06	476.11
The main panel supports up to 1,500 addresses, 500 areas and 1,000 users. As part of a Modular Alarm Platform, the main panel with possibility of connection to system for integration of security systems using internet protocol (IP). External CAN bus - total length up to 1000m; the external bus allows command centers, gateways for connections and power supplies which are placed as individual elements, providing greater efficiency. Software version of all devices in the modular platform system can be upgraded or updated using remote control of software. This allows for on-site or remote upgrades or updates (IP through Ethernet). It has VdS certificate.BOSCH ICP-MAP5000-2 or equivalent	pcs	2	423.21	846.42
Gateway module supports up to 127 devices with maximum loop current up to 300 mA. Provides flexible network structures (one loop or two stubs) Provides single fault redundancy on loop configurations (not on stub configurations). Provides two auxiliary power outputs (500 mA each)BOSCH ICP-MAP0010 or equivalent.	pcs	2	155.31	310.63
Module for connection of communicators. Supports printer connectivity.Provides two RS-232 COM ports. Provides three supervised and programmable outputs for sirens, signal lamps (strobes), and other audio-visual devices. Provides two programmable open-collector outputs.BOSCH ICP-MAP0007-2 or equivalent	pcs	2	134.29	268.58
Power supply 150W. Provides two independentpower ports with fixed 28 VDC. Provides 150 W for battery charging and system power. Provides controlled 500 mA, 24 VDC nominal output. Provides two dry relay contacts for AC and DC fault signaling. Supports independent dual battery control. Provides protection of the battery load.BOSCH IPP-MAP0005-2 or equivalent.	pcs	2	254.33	508.67
Battery 12V 42AhBOSCH IPS-BAT12V-45AH or equivalent	pcs	4	115.30	461.19
Detector with PIR and microwave detection. Alarm is detected by processing both signals, anti-mask protection function. Flexible mounting height and coverage areaBOSCH ISP-PDL1-WA18G or equivalent	pcs	6	83.42	500.53
Conventional glass break detector, complete with addressable element for connection in a loop. Microprocessor-based sound analysis technology Automatic environmental noise test, sound check.BOSCH DS1108I and ISP-EM55SM-120 orequivalent	pcs	8	68.50	548.01
Siren, indoor mounting. Nominal power 117 dBA. This siren is tamper proof against opening the cover and removing the base from wall. The siren has the possibility of a built-in back-up power supply, BOSCH IUI-SIR-ID or equivalent.	pcs	2	118.01	236.02
Siren, outdoor mounting. Steel enclosure of thickness 1,5 mm tamper proof againt opening cover; charging regulation voltage 13,8VDC; noise level 117dBABOSCH IUI-SIR-OD or equivalent	pcs	2	118.01	236.02
Battery 12V 2.2Ah for additional power supply of outdoor siren.BOSCH D1222 or equivalent	pcs	2	21.02	42.05

Keypad, LCD touch screen 14cm in diagonal. The touch screen provides a durable graphic interface (16B vivid colors with 320 x 240 pixels) consisting of intuitive icons and menus that allow users to access system functions. Users can arm the system or part of the system directly by touching the screen image, disarm, or select other menu options. Built-in speaker with adjustable volume. It has a VdS certificate.BOSCH IUI-MAP0001-2 or equivalent	pcs	6	290.28	1,741.68
Installation cable, type:JH(St)H 3x2x0.8	m	600	0.36	216.62
Addressable Fire Control Panel (Avenar 2000 Premium Bosch or equivalent) that supports EN54 and VdS standard, equipped with the following elements:steel housing (mounting on the wall) with cover-panel rails for the installation of functional modulesbracket for two batteries and power supply unitpanel controller with operating screen in Serbian language (ability to connect printers)power supply unit, 24 V/5AUSB, CAN, Ethernet interfaces2 x media convertor with 2 10/100BASE-TX ports and all neccesssary equipment for conection of central unit to 4 SM FOSoftware key to allow integration and connection of the control panel under monitoring software by connecting to OPCinterface module for connecting to the workstationtwo addressable loop, with the possibility of connection up to 254 LSN elements per loop, maximum loop length 1600 m and maximum consumption per loop 300 mAcontrol module for batteriesmodul for connectig 2 lines of alarm sirensenables allocation of 128 points within the system	ком	2	3,384.34	6,768.68
Relay module with 8 low voltage relay outputs (RML0008 A or equivalent)	pcs	2	74.60	149.21
Battery, 12 VDC, 40Ah.	pcs	4	2.71	10.85
Addressable indoor detector - manual call point that supports EN54 and VdS standard (FMC-210-DM-G-R or equivalent)	pcs	4	27.81	111.23
Addressable outdoor detector - manual call point that supports EN54 and VdS standard(FMC-210-DM-H-R or equivalent)	pcs	4	62.40	249.59
Indoor alarm siren that supports EN54 and VdS standard. (FNM-320-SRD or equivalent)	pcs	2	29.84	59.68
Outdoor alarm siren that supports EN54 and VdS standard. IP66 (FNM-320-SRD or equivalent)	pcs	4	29.84	119.37
Parallel light indicator that supports EN54 and VdS standard (FAA-420-RI-ROW or equivalent)	pcs	8	10.17	81.39
Addressable module with 2 independently programmable high-voltage relay outputs and 2 independently programmable voltage relay inputs. It contains an isolation switch that in the event of a short circuit or an open connection ensures smooth operation of the system. Possibility of hanging directly into the din rail. Comes with box for wall mounting.(FLM-420-RHV-D and FLM-IFB126-S Surface,Bosch or equivalent)	pcs	1	126.15	126.15
Input module with eight inputs for connecting the subsystem central unit within the loop that supports EN54 and VdS standard (FLM-420-I2-W orequivalent)	pcs	2	75.96	151.92
Additional base for fixing the fire detector on non- standard surfaces (concrete beams, roof structure, uneven walls,...), with all the necessary material	pcs	29	12.89	373.70
- NHXHX 3x1,5 FE180/E30	m	120	0.70	84.01
- NHXHX 3x1,5 FE180/E90	m	40	0.70	28.00
A fire stop compound that makes a compact unit with fire bar from the aspect of the required fire resistance, with the appropriate attestation, in accordance with the applicable legislation.	m²	4	173.23	692.90